

**POSTDOCTORAL POSITION (100%)**

**Genes and Environment Laboratory (GEL)  
Division of Environmental Health and Sciences  
School of Public Health, UC Berkeley**

**Salary:** STARTING at \$38,496-\$53,112 annually depending on experience and skill level

**Start Date:** Open until position is filled

**Days:** Monday-Friday

**Hours:** 8:00 AM – 5:00 PM (including 1 hour lunch break)

**Overview:** Must have doctorate less than five years. A postdoctoral position is available immediately in a fast-paced laboratory to join us in our studies to identify the adverse effects of chemicals on human health, to determine how genetic variation influences disease susceptibility and the effects of environmental exposures, and to study the mechanisms involved. Our research is focused on the blood-borne cancers leukemia and lymphoma and the chemicals benzene, arsenic, formaldehyde, trichloroethylene (TCE), and polycyclic aromatic hydrocarbons (PAHs). Our goal is to improve toxicity testing, hazard identification and risk assessment by applying “omics” (human genome-based) technologies to develop biomarkers of exposure, early effect, and susceptibility in humans. Incumbent’s research interests should include toxicology, pathways of exposure and the causes of chronic disease, and the exposome

**Duties:** The ideal, motivated candidate should be able to perform a broad range of molecular biology laboratory techniques, including long-range PCR for chromosomal translocation detection, real-time PCR using TaqMan technology, analysis of gene expression by microarray, epigenetics including DNA methylation, miRNA and histone analyses, protein detection, in vitro chemical exposure studies, and biological sample preparation and handling. Analysis and synthesis of observed research results and related extant scientific literature.

Incumbents will assist in general laboratory and teaching activities by discussing experimental procedures with students, demonstrating procedures, working with faculty in presenting, developing or modifying study materials for manuscript development and presentation to scientific audiences.

**Requirements:** Applicants must possess a Ph.D. in molecular and cell biology, toxicology, genetics, or equivalent. Must have advanced laboratory skills with a solid background in molecular/cell biology and genetics, including tissue culture, flow cytometry, gene and miRNA expression, and methylation analyses. Excellent verbal/written/technical skills in English are required.

**Desired Qualifications:** Strong research background in molecular epidemiology, hematology, toxicogenomics, and/or disease and cancer etiology. Experience in genetic analyses. Some study management experience and leadership skills.

**To Apply:** Send cover letter, CV, 2 recent pubs, and the names and contact information for 3 references by email to Bill Brockett <[wbrockett@berkeley.edu](mailto:wbrockett@berkeley.edu)>. At the 2011 SRP Meeting in Lexington, simply leave your CV in care of Bill Brockett at the Hilton front desk on Monday.

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